Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/S8/81 (01-09) Approved for use through 11/30/2011. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND **CHANGE OF CORRESPONDENCE ADDRESS**

09/512949
2-25-2000
Guang-Ho Cha
INDEXING SYSTEM AND METHOD
2164
SATHYANARAYA R .PANNALA
ARC919990217

I hereby revoke all	previous powers of attorney given	in the above-ider	ntified applica	tion.		
A Power of Atto	orney is submitted herewith.					
OR I hereby appoint Practitioner(s) associated with the following Customer Number as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent		30355				
and Trademark	Office connected therewith:			· • • • • • • • • • • • • • • • • • • •	b.	
I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:						
	Practitioner(s) Name		Registratio	on Number		
] '	
] '	
					,	
					J. 4 .	
l 	or change the correspondence add		a-identified ap	oplication to:	1	
	sociated with the above-mentioned Custom	ner Number.	7 1 3 9	er of the Boller and the same		
OR	The second secon			·		
	sociated with Customer Number:					
OR Firm or			(VI		C-4-4	
Individual Name						
Address			:- · · · · · · · · · · · · · · · · · · ·	1		
City		State	T	Zip		
Country						
Telephone		Email				
Applicant/Invent	~	÷	•	. •		
OR				n de la companya de		
Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) (Form PTO/SB/96) submitted herewith or filed on						
<u> </u>	SIGNATURE of App	olicant or Assignee of	f Record	a, of the		
Signature Name	Tay 1- Can-	22.120	Date	4/20/2011		
Title and Company	Pryor A. Garnett, USPTO Reg. 3		Telephone	503-578-5775		
Title and Company Senior Counsel, International Business Machines Corporation NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one						
signature is required, see below.						
Total of 1	forms are submitted.	1				

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to öbtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

O P A S PATEURS APR 2 0 2011 PR

PTO/S8/96 (07-09) Approved for use through 07/31/2012. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE in Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

EMARKO STATEMENT UNDER 37 CFR 3.73(b) Applicant/Patent Owner: Guang-Ho Cha Application No./Patent No.: 7,318,053 Filed/Issue Date: 1-08-2008 Titled: INDEXING SYSTEM AND METHOD FOR NEAREST NEIGHBOR SEARCHES IN HIGH DIMENSIONAL DATA International Business Machines Corporation Corporation (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc. states that it is: the assignee of the entire right, title, and interest in; an assignee of less than the entire right, title, and interest in (The extent (by percentage) of its ownership interest is the assignee of an undivided interest in the entirety of (a complete assignment from one of the joint inventors was made) the patent application/patent identified above; by virtue of either: An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 010604 , Frame 0567 , or for which a copy therefore is attached. OR B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows: 1. From: The document was recorded in the United States Patent and Trademark Office at _____, or for which a copy thereof is attached. 2. From: The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame_____, or for which a copy thereof is attached. 3. From: The document was recorded in the United States Patent and Trademark Office at ___ , Frame_ _____, or for which a copy thereof is attached. Additional documents in the chain of title are listed on a supplemental sheet(s). As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11. [NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08] The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee. 4/20/2011 Signature Date Pryor A. Garnett, Reg. No. 32136 Senior Counsel Printed or Typed Name

This collection of Information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patient and Trademark Office, U.S. Department of Commerce, P.O. Box 1450; Alexandria, VA 22313-1450 PO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patients; P.O. Box 1450; Alexandria, VA 22313-1450.

: 4 -